europass	Curriculum Vitae	Replace with First name(s) Surname(s)				
PERSONAL INFORMATION	Ioannis Tsakalakis					
	\ +30 2810 337749					
	i.tsakalakis@hcmr.gr					
	https://scholar.google.com/citations?user=dp	cholar.google.com/citations?user=dpJvi8wAAAAJ&hl=en				
	🗩 Zoom Ioannis Tsakalakis					
	Sex Male Nationality Greek					
PERSONAL STATEMENT	Research Scientist					
WORK EXPERIENCE						
2023	Research Scientist					
	Hellenic Centre for Marine Research, Heraklion, G	or Marine Research, Heraklion, Crete, Greece ne microbial communities				
	 Modelling marine microbial communities 					
	Business or sector Research Centre					
2019 - 2023	Post Doctoral Scientist					
	Marine Biological Laboratory, Woods Hole, MA, USA					
	 Modelling marine microbial communities 					
	Business or sector Research Centre					
2019 - 2023	Research affiliate					
	Massachusetts Institute of Technology, Cambridge, MA, USA					
	Business or sector University					
EDUCATION AND TRAINING						
2015 - 2019	PhD in Natural Sciences					
	Institute for Chemistry and Biology of the Marine I Oldenburg, Lower Saxony, Germany	Environment (ICBM), University of Oldenburg,				
	 Development of theoretical models for studying Teaching in the undergraduate course of Mathematical and the studying 	resource competition in marine microbes				
	 2-month engagement in a Mesocosm experime 	ent in WasserCluster Lunz, Lunz am See, Austria				
	 PhD Thesis title: Importance of spatial and temp phytoplankton diversity 	poral variations of resources for modelling				
2015 - 2019	MSc in Biological Oceanography					
	GEOMAR institute and Kiel University, Kiel, Schleswig-Holstein, Germany					
	 MSc Thesis title: Daily light oscillation as a contr biogeography and diversity 	ributing factor for modelling phytoplankton				
2015 - 2019	BSc in Oceanography and Marine Scier	nces				
	Department of Marine Sciences, University of the	Aegean, Mytilene, Lesvos, Greece				
	 BSc Thesis title: Growth kinetics of <i>P. Delicatiss</i> of a simulation model 	<i>ima</i> on nitrate and phosphate in a batch culture: Use				



PERSONAL SKILLS							
Mother tongue(s)	Greek						
Other language(s)	UNDERSTANDING		SPEAKING		WRITING		
	Listening	Reading	Spoken interaction	Spoken production			
English	C1	C1	C1	C1	C1		
	MSc and PhD studies were held in English						
	Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages						
Communication skills	Good communication skills through working experience in different research teams and attendance in several international conferences						
Organisational / managerial skills	Good leader experience on the writing of scientific papers and organization of scientific workshops						
Computer skills	Good knowledge on using Windows and Linux operating systems and the programming languages of Matlab, R and Fortran						
Driving licence	В						
ADDITIONAL INFORMATION							
Publications	 Csaba F. Vad, Anett Hanny-Endrédi, Pavel Kratina, András Abonyi1, Ekaterina Mironova, David S. Murray, Larysa Samchyshyna, Ioannis Tsakalakis, Evangelia Smeti, Sofie Spatharis, Hanrong Tan, Christian Preiler, Adam Petrusek, Mia M. Bengtsson, Robert Ptacnik. Spatial insurance against a heatwave differs between trophic levels in experimental aquatic communities. <i>Global Change Biology</i> 2023, https://doi.org/10.1111/gcb.16692 Ioannis Tsakalakis, Michael J. Follows., Stephanie Dutkiewicz, Christopher L. Follett and Joseph J. Vallino. Diel light cycles affect phytoplankton competition in the global ocean. <i>Global Ecology and Biogeography</i> 2022, 31(9): 1838 – 1849. 						
	Associated Press with the article: https://beta.nsf.gov/news/new-model-sheds-light-daynight-cycle-global-ocean?sf169863480=1 https://twitter.com/NSF/status/1565016619662860288?cxt=HHwWgICzqdyUh7grAAAA https://www.mbl.edu/news/new-model-sheds-light-daynight-cycle-global-ocean						
	Joseph J. Vallino and Ioannis Tsakalakis . Phytoplankton Temporal Strategies Increase Entropy Production in a Marine Food Web Model. <i>Entropy</i> 2020 , 22, 1249. https://doi.org/10.3390/e22111249						
	ce competition and sp 3: 209 - 211.	pecies coexistence in					
	Ioannis Tsakalakis , Markus Pahlow, Andreas Oschlies, Bernd Blasius and Alexey B. Ryabov. Di cycle as a key factor for modelling phytoplankton biogeography and diversity. <i>Ecological modellin</i> 384: 241 – 248.						
	Stephanie D. Moorthi, Jennifer A. Schmitt, Alexey Ryabov, Ioannis Tsakalakis , Bernd Blasius, Lara Prelle, Marc Tiedemann and Dorothee Hodapp. Unifying ecological stoichiometry and metabolic theory t predict production and trophic transfer in a marine planktonic food web. <i>Philospophical Transactions B</i> . 2016 , 371: 20150270. http://dx.doi.org/10.1098/rstb.2015.0270						



Curriculum Vitae

Conference presentations

Ioannis Tsakalakis, Zhen Wu, John R. Casey, Michael J. Follows, Joseph J. Vallino. Carbon storage as a competitive trait of phytoplankton. ASLO 2023 Aquatic sciences meeting: Resilience and Recovery in Aquatic Systems, June 4 – 9, Palma de Mallorca, Spain.

Ioannis Tsakalakis, Michael J. Follows, Stephanie Dutkiewicz, Cristopher L. Follett, Joseph J. Vallino. Trait adaptations to the diel light cycle affect global biogeography of phytoplankton. 5th Workshop on traitbased approaches to ocean life, January 24 – 27 2022, Knoxville, Tennessee, USA.

Ioannis Tsakalakis, Stephanie Dutkiewicz, Michael J. Follows and Joseph J. Vallino. Patterns of phytoplankton diversity driven by resource fluctuations. 4th Workshop on trait-based approaches to ocean life, August 18 – 21, 2019, Buckinghamshire, UK.

Ioannis Tsakalakis, Markus Pahlow, Andreas Oschlies, Bernd Blasius, Alexey Ryabov. Importance of daily light oscillations for modelling phytoplankton large-scale distribution and biodiversity. 3rd Workshop on trait-based approaches to ocean life, August 20 – 23 2017, Solstrand, Bergen, Norway.

Ioannis Tsakalakis, Bernd Blasius and Alexey Ryabov. Linking resource competition and ecosystem functioning in a simple meta-ecosystem. Workshop of Young Modelers in Ecology, May 1 - 52017, Buchenbach, Germany.

Ioannis Tsakalakis, Bernd Blasius, Alexey Ryabov. Resource dispersal promotes ecosystem functioning in a meta-ecosystem model. ASLO 2017 Aquatic sciences meeting: Mountains to the sea, February 26 – March 3 2017, Honolulu, Hawaii, USA.

Ioannis Tsakalakis, Alexey Ryabov, Bernd Blasius, Markus Pahlow, Andreas Oschlies. Diurnal light oscillations as a contributing process for niche creation and biodiversity patterns. 13th European Ecological Federation Conference – Ecology at the Interface, 21-25 September 2015, Rome, Italy.

Ioannis Tsakalakis, Markus Pahlow, Andreas Oschlies. Daily light oscillation as a contributing factor to maintain phytoplankton diversity: a modeling approach. Seventeenth workshop of the International Association of Phytoplankton taxonomy and ecology (IAP), 14-21 September 2014, Kastoria, Greece.

Ioannis Tsakalakis, Anna Lagaria, Nafsika Papageorgiou, Stella Psarra. Response to warming and acidification of phytoplankton productivity in the oligotrophic Eastern Mediterranean Sea: a mesocosm experiment. Seventeenth workshop of the International Association of Phytoplankton taxonomy and ecology (IAP), 14-21 September 2014, Kastoria, Greece.

Ioannis Tsakalakis, George Tsirtsis, George Petihakis and Sofie Spatharis. Auto-ecology study of the potential toxic microalgae *Pseudo-nitzschia delicatissima* in batch caltures: Use of a simulation model. Sixth Congress of the Hellenic Ecological Society, 4-7 October 2012, Athens, Greece.